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Patent Number(s): CN202305396-U

Title: Near field terahertz time domain spectrum testing device, has pumping light path with optical chopper, where synchronous frequency signal of phase-locked amplifier is supplied to optical chopper in pumping light path

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Abstract: NOVELTY - The device has a light circuit device provided with a pumping light path and a detecting light path. The pumping light path is provided with a fixed optical chopper, a removable solid terahertz emission source and a test sample placing position unit along light direction. A synchronous frequency signal of a phase-locked amplifier is supplied to the optical chopper in the pumping light path. A silicon telluride single crystal face unit is connected to a sample test unit to prepare a silicon dioxide film and a germanium film.

USE - Near field terahertz time domain spectrum testing device.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic block diagram of a near field terahertz time domain spectrum testing device.'(Drawing includes non-English language text)'

Derwent Class Code(s): S03 (Scientific Instrumentation, photometry, calorimetry)

Derwent Manual Code(s): S03-E04A

IPC: B82Y-035/00; G01N-021/25